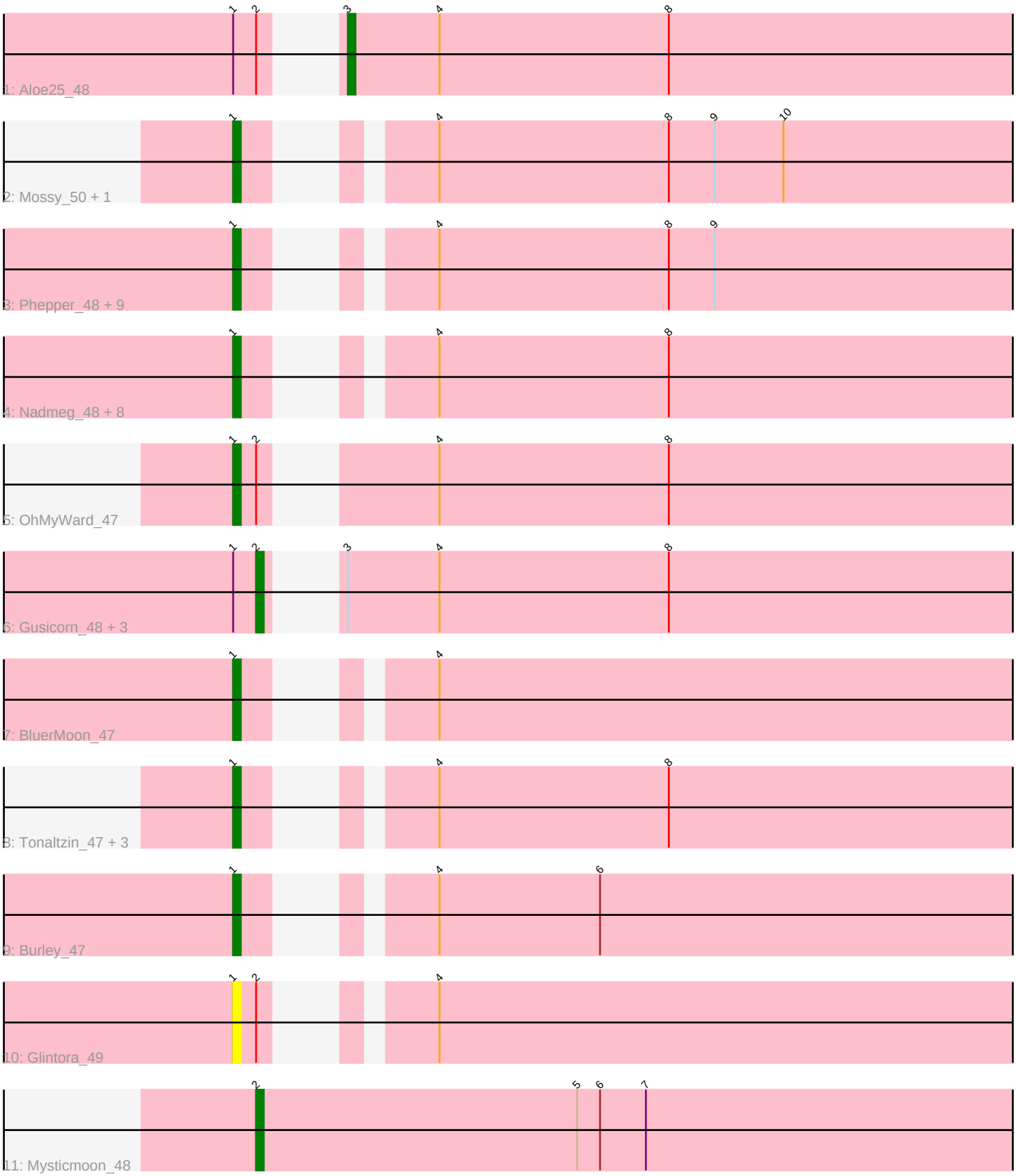
Pham 345959


1: Aloe25_48
2: Mossy_50 + 1
3: Phepper_48 + 9
4: Nadmeg_48 + 8
5: OhMyWard_47
6: Gusicorn_48 + 3
7: BluerMoon_47
8: Tonaltzin_47 + 3
9: Burley_47
10: Glintora_49
11: Mysticmoon_48

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 345959 Report

This analysis was run 11/14/26 on database version 672.

Pham number 345959 has 35 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Aloe25_48
• Track 2 : Mossy_50, Blanky_47
• Track 3 : Phepper_48, Untouchable_48, Arataki_46, Kenosha_47, Zeph_49, Vardy_47, Demure_46, Madvan_47, Hydrus_49, CWormy_47
• Track 4 : Nadmeg_48, MajinBuu_47, Aflac_47, Dialga_48, Crocheter_47, Runhaar_48, Eddiemania_49, ArtetaBall_48, Duffington_46
• Track 5 : OhMyWard_47
• Track 6 : Gusicorn_48, PestoPenguin_49, ShaggyRogers_48, BetterYeti_48
• Track 7 : BluerMoon_47
• Track 8 : Tonaltzin_47, Figliar_47, OlgasClover_48, TenaciousP_48
• Track 9 : Burley_47
• Track 10 : Glintora_49
• Track 11 : Mysticmoon_48

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 1, it was called in 24 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aflac_47, Arataki_46, ArtetaBall_48, Blanky_47, BluerMoon_47, Burley_47, CWormy_47, Crocheter_47, Demure_46, Dialga_48, Duffington_46, Eddiemania_49, Figliar_47, Glintora_49, Hydrus_49, Kenosha_47, Madvan_47, MajinBuu_47, Mossy_50, Nadmeg_48, OhMyWard_47, OlgasClover_48, Phepper_48, Runhaar_48, TenaciousP_48, Tonaltzin_47, Untouchable_48, Vardy_47, Zeph_49,

Genes that have the "Most Annotated" start but do not call it:
• Aloe25_48, BetterYeti_48, Gusicorn_48, PestoPenguin_49, ShaggyRogers_48,

Genes that do not have the "Most Annotated" start:
• Mysticmoon_48,

Summary by start number:

Start 1:
• Found in 34 of 35 (97.1%) of genes in pham
• Manual Annotations of this start: 24 of 30
• Called 85.3% of time when present
• Phage (with cluster) where this start called: Aflac_47 (DJ), Arataki_46 (DJ), ArtetaBall_48 (DJ), Blanky_47 (DJ), BluerMoon_47 (DJ), Burley_47 (DJ), CWormy_47 (DJ), Crocheter_47 (DJ), Demure_46 (DJ), Dialga_48 (DJ), Duffington_46 (DJ), Eddiemania_49 (DJ), Figliar_47 (DJ), Glintora_49 (DJ), Hydrus_49 (DJ), Kenosha_47 (DJ), Madvan_47 (DJ), MajinBuu_47 (DJ), Mossy_50 (DJ), Nadmeg_48 (DJ), OhMyWard_47 (DJ), OlgasClover_48 (DJ), Phepper_48 (DJ), Runhaar_48 (DJ), TenaciousP_48 (DJ), Tonaltzin_47 (DJ), Untouchable_48 (DJ), Vardy_47 (DJ), Zeph_49 (DJ),

Start 2:
• Found in 8 of 35 (22.9%) of genes in pham
• Manual Annotations of this start: 5 of 30
• Called 62.5% of time when present
• Phage (with cluster) where this start called: BetterYeti_48 (DJ), Gusicorn_48 (DJ), Mysticmoon_48 (DJ), PestoPenguin_49 (DJ), ShaggyRogers_48 (DJ),

Start 3:
• Found in 5 of 35 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 30
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Aloe25_48 (DJ),

Summary by clusters:

There is one cluster represented in this pham: DJ

Info for manual annotations of cluster DJ:
•Start number 1 was manually annotated 24 times for cluster DJ.
•Start number 2 was manually annotated 5 times for cluster DJ.
•Start number 3 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Aflac_47 Start: 34713, Stop: 34823, Start Num: 1
Candidate Starts for Aflac_47:
(Start: 1 @34713 has 24 MA's), (4, 34728), (8, 34758),

Gene: Aloe25_48 Start: 34774, Stop: 34878, Start Num: 3
Candidate Starts for Aloe25_48:
(Start: 1 @34768 has 24 MA's), (Start: 2 @34771 has 5 MA's), (Start: 3 @34774 has 1 MA's), (4, 34786), (8, 34816),

Gene: Arataki_46 Start: 33815, Stop: 33922, Start Num: 1
Candidate Starts for Arataki_46:
(Start: 1 @33815 has 24 MA's), (4, 33830), (8, 33860), (9, 33866),

Gene: ArtetaBall_48 Start: 35015, Stop: 35122, Start Num: 1

Candidate Starts for ArtetaBall_48:
(Start: 1 @35015 has 24 MA's), (4, 35030), (8, 35060),

Gene: BetterYeti_48 Start: 34770, Stop: 34877, Start Num: 2
Candidate Starts for BetterYeti_48:
(Start: 1 @34767 has 24 MA's), (Start: 2 @34770 has 5 MA's), (Start: 3 @34773 has 1 MA's), (4, 34785), (8, 34815),

Gene: Blanky_47 Start: 36426, Stop: 36536, Start Num: 1
Candidate Starts for Blanky_47:
(Start: 1 @36426 has 24 MA's), (4, 36441), (8, 36471), (9, 36477), (10, 36486),

Gene: BluerMoon_47 Start: 34710, Stop: 34817, Start Num: 1
Candidate Starts for BluerMoon_47:
(Start: 1 @34710 has 24 MA's), (4, 34725),

Gene: Burley_47 Start: 34471, Stop: 34578, Start Num: 1
Candidate Starts for Burley_47:
(Start: 1 @34471 has 24 MA's), (4, 34486), (6, 34507),

Gene: CWormy_47 Start: 34428, Stop: 34535, Start Num: 1
Candidate Starts for CWormy_47:
(Start: 1 @34428 has 24 MA's), (4, 34443), (8, 34473), (9, 34479),

Gene: Crocheter_47 Start: 34873, Stop: 34980, Start Num: 1
Candidate Starts for Crocheter_47:
(Start: 1 @34873 has 24 MA's), (4, 34888), (8, 34918),

Gene: Demure_46 Start: 33815, Stop: 33922, Start Num: 1
Candidate Starts for Demure_46:
(Start: 1 @33815 has 24 MA's), (4, 33830), (8, 33860), (9, 33866),

Gene: Dialga_48 Start: 35034, Stop: 35141, Start Num: 1
Candidate Starts for Dialga_48:
(Start: 1 @35034 has 24 MA's), (4, 35049), (8, 35079),

Gene: Duffington_46 Start: 34371, Stop: 34481, Start Num: 1
Candidate Starts for Duffington_46:
(Start: 1 @34371 has 24 MA's), (4, 34386), (8, 34416),

Gene: Eddiemania_49 Start: 35634, Stop: 35741, Start Num: 1
Candidate Starts for Eddiemania_49:
(Start: 1 @35634 has 24 MA's), (4, 35649), (8, 35679),

Gene: Figliar_47 Start: 34773, Stop: 34883, Start Num: 1
Candidate Starts for Figliar_47:
(Start: 1 @34773 has 24 MA's), (4, 34788), (8, 34818),

Gene: Glintora_49 Start: 35344, Stop: 35457, Start Num: 1
Candidate Starts for Glintora_49:
(Start: 1 @35344 has 24 MA's), (Start: 2 @35347 has 5 MA's), (4, 35359),

Gene: Gusicorn_48 Start: 34771, Stop: 34878, Start Num: 2

Candidate Starts for Gusicorn_48:
(Start: 1 @34768 has 24 MA's), (Start: 2 @34771 has 5 MA's), (Start: 3 @34774 has 1 MA's), (4, 34786), (8, 34816),

Gene: Hydrus_49 Start: 35645, Stop: 35752, Start Num: 1
Candidate Starts for Hydrus_49:
(Start: 1 @35645 has 24 MA's), (4, 35660), (8, 35690), (9, 35696),

Gene: Kenosha_47 Start: 35281, Stop: 35388, Start Num: 1
Candidate Starts for Kenosha_47:
(Start: 1 @35281 has 24 MA's), (4, 35296), (8, 35326), (9, 35332),

Gene: Madvan_47 Start: 34514, Stop: 34621, Start Num: 1
Candidate Starts for Madvan_47:
(Start: 1 @34514 has 24 MA's), (4, 34529), (8, 34559), (9, 34565),

Gene: MajinBuu_47 Start: 34800, Stop: 34910, Start Num: 1
Candidate Starts for MajinBuu_47:
(Start: 1 @34800 has 24 MA's), (4, 34815), (8, 34845),

Gene: Mossy_50 Start: 36641, Stop: 36751, Start Num: 1
Candidate Starts for Mossy_50:
(Start: 1 @36641 has 24 MA's), (4, 36656), (8, 36686), (9, 36692), (10, 36701),

Gene: Mysticmoon_48 Start: 35379, Stop: 35498, Start Num: 2
Candidate Starts for Mysticmoon_48:
(Start: 2 @35379 has 5 MA's), (5, 35421), (6, 35424), (7, 35430),

Gene: Nadmeg_48 Start: 35946, Stop: 36053, Start Num: 1
Candidate Starts for Nadmeg_48:
(Start: 1 @35946 has 24 MA's), (4, 35961), (8, 35991),

Gene: OhMyWard_47 Start: 35734, Stop: 35844, Start Num: 1
Candidate Starts for OhMyWard_47:
(Start: 1 @35734 has 24 MA's), (Start: 2 @35737 has 5 MA's), (4, 35752), (8, 35782),

Gene: OlgasClover_48 Start: 35758, Stop: 35868, Start Num: 1
Candidate Starts for OlgasClover_48:
(Start: 1 @35758 has 24 MA's), (4, 35773), (8, 35803),

Gene: PestoPenguin_49 Start: 34771, Stop: 34878, Start Num: 2
Candidate Starts for PestoPenguin_49:
(Start: 1 @34768 has 24 MA's), (Start: 2 @34771 has 5 MA's), (Start: 3 @34774 has 1 MA's), (4, 34786), (8, 34816),

Gene: Phepper_48 Start: 34767, Stop: 34874, Start Num: 1
Candidate Starts for Phepper_48:
(Start: 1 @34767 has 24 MA's), (4, 34782), (8, 34812), (9, 34818),

Gene: Runhaar_48 Start: 34762, Stop: 34869, Start Num: 1
Candidate Starts for Runhaar_48:
(Start: 1 @34762 has 24 MA's), (4, 34777), (8, 34807),

Gene: ShaggyRogers_48 Start: 34521, Stop: 34628, Start Num: 2
Candidate Starts for ShaggyRogers_48:
(Start: 1 @34518 has 24 MA's), (Start: 2 @34521 has 5 MA's), (Start: 3 @34524 has 1 MA's), (4, 34536), (8, 34566),

Gene: TenaciousP_48 Start: 36139, Stop: 36249, Start Num: 1
Candidate Starts for TenaciousP_48:
(Start: 1 @36139 has 24 MA's), (4, 36154), (8, 36184),

Gene: Tonaltzin_47 Start: 34709, Stop: 34819, Start Num: 1
Candidate Starts for Tonaltzin_47:
(Start: 1 @34709 has 24 MA's), (4, 34724), (8, 34754),

Gene: Untouchable_48 Start: 35127, Stop: 35234, Start Num: 1
Candidate Starts for Untouchable_48:
(Start: 1 @35127 has 24 MA's), (4, 35142), (8, 35172), (9, 35178),

Gene: Vardy_47 Start: 34471, Stop: 34578, Start Num: 1
Candidate Starts for Vardy_47:
(Start: 1 @34471 has 24 MA's), (4, 34486), (8, 34516), (9, 34522),

Gene: Zeph_49 Start: 35625, Stop: 35732, Start Num: 1
Candidate Starts for Zeph_49:
(Start: 1 @35625 has 24 MA's), (4, 35640), (8, 35670), (9, 35676),